



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/397,455	09/16/1999	NED M SMITH	042390.P6764	8766

7590 08/13/2003

CHARLES A MIRHO INTEL CORPORATION  
BLAKELY SOKOLOFF TAYLOR & ZAFMNN LLP  
12400 WILSHIRE BOULEVARD 7TH FLOOR  
LOS ANGELES, CA 90025

EXAMINER

FIELDS, COURTNEY D

ART UNIT

PAPER NUMBER

2132

DATE MAILED: 08/13/2003

4

Please find below and/or attached an Office communication concerning this application or proceeding.

PR4

# Office Action Summary

Application No.

09/397,455

Applicant(s)

SMITH, NED M

Examiner

Courtney D. Fields

Art Unit

2132

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

## Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

## Status

- 1) ☐ Responsive to communication(s) filed on \_\_\_\_.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

## Disposition of Claims

- 4) ☐ Claim(s) \_\_\_\_ is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-26 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_ are subject to restriction and/or election requirement.

## Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on \_\_\_\_ is: a) ☐ approved b) ☐ disapproved by the Examiner.  
If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

## Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
a) ☐ All b) ☐ Some \* c) ☐ None of:  
1. ☐ Certified copies of the priority documents have been received.  
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_.  
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  
\* See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).  
a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

## Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892) 4) ☐ Interview Summary (PTO-413) Paper No(s). \_\_\_\_
- 2) ☒ Notice of Draftsperson's Patent Drawing Review (PTO-948) 5) ☐ Notice of Informal Patent Application (PTO-152)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) \_\_\_\_ 6) ☐ Other: \_\_\_\_

**DETAILED ACTION**

***Claim Rejections - 35 USC § 102***

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-26 are rejected under 35 U.S.C. 102(b) as being anticipated by Grimmer U.S.

Patent No. 5,774,552. Referring to claims 1 and 20, Grimmer discloses a method

comprising: determine whether a key is traceable to one of a set of keys associated with a trusted source in Column 5, lines 8-27, determine whether the key is identified in a list of comprised keys and if the key is not identified as comprised and is traceable to one of the keys in the set, assign the key a trusted status in Column 8, lines 20-33

Referring to claims 2, 14, and 21, Grimmer discloses the claimed limitation of verifying the integrity of a document comprising the key and the list of comprised keys

Referring to claims 3 and 22, Grimmer discloses the claimed limitation of reading from a software module embedding the set of keys in Column 6, lines 33-54.

Referring to claims 4, 16, and 23, Grimmer discloses the claimed limitation of tracing the key through a certificate chain to one of the keys in the set of keys in Column 5, lines 66-67, Column 6, lines 1-16.

Referring to claim 5, Grimmer discloses the claimed limitation of associating a document comprising the key and the set of keys with a software module comprising the

Art Unit: 2132

set of keys using a hash of the software module in the document in Column 3, lines 45-60.

Referring to claim 6, Grimmer discloses the claimed limitation in which the document is a manifest signed by the key in Column 4, lines 63-67, Column 5, lines 1-7.

Referring to claim 7, Grimmer discloses the claimed limitation of searching the list of compromised keys for the key in Column 7, lines 47-57, Column 8, lines 1-11.

Referring to claims 8, 17, and 24, Grimmer discloses the claimed limitation of producing a document comprising an identification of a software module and a list of comprised keys in and digitally signing the document using a key traceable to one of a set of keys comprised by the software module in Column 3, lines 45-67, Column 4, lines 1-4.

Referring to claims 9, 18, and 25, Grimmer discloses the claimed limitation in which the identification of the software module comprises a hash value of the software module in Column 5, lines 54-65.

Referring to claims 10, 19, and 26, Grimmer discloses the claimed limitation in which the key is traceable to one of the set of keys comprised by the software module by way of a certificate chain in Column 5, lines 8-27 and Figure 4.

Referring to claim 11, Grimmer discloses the claimed limitation of making the document available on a communication network by which computer systems comprising the software module may read the document in Column 7, lines 12-20, 25-36.

Referring to claim 12, Grimmer discloses the claimed limitation in which the set of keys is embedded within the software module in Column 2, lines 59-62.

Art Unit: 2132

Referring to claim 13 Grimmer discloses a device comprising a processor, machine-readable storage for storing instructions in Column 7, lines 3-11, determine whether a key is traceable to one of a set of keys associated with a trusted source in Column 5, lines 8-27, determine whether the key is identified in a list of comprised keys and if the key is not identified as comprised and is traceable to one of the keys in the set, assign the key a trusted status in Column 8, lines 20-33.

Referring to claim 15, Grimmer discloses the claimed limitation of comprising a software module comprising the list of keys in Column 4, lines 16-20, Column 6, lines 17-27.

### ***Conclusion***

2. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Carbajal et al. U.S. Patent No. 6,560,706 discloses a method and apparatus for ensuring system boot image integrity and authenticity.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Courtney D. Fields whose telephone number is 703-305-8293. The examiner can normally be reached on Mon - Thu 7:00 - 5:00 pm; off every Fri.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Gilberto Barron can be reached on 703-305-1830. The fax phone numbers for the organization where this application or proceeding is assigned are 703-746-7239 for regular communications and 703-746-7238 for After Final communications.

Art Unit: 2132

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-305-3900.

409  
cdf

August 10, 2003



GILBERTO BARRON  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2100